

INTERNATIONAL SEARCH REPORT

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International application No.

PCT/FI 98/00724

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04Q 7/38, H04L 12/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H04L, H04J, H04B, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPIL, EDOC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5533026 A (HAMID AHMADI ET AL), 2 July 1996 (02.07.96), column 1, line 39 - line 40; column 2, line 14 - line 17; column 6, line 20 - line 65, abstract --	1-19
X	US 5095480 A (PETER R. FENNER), 10 March 1992 (10.03.92), column 1, line 59 - column 2, line 4; column 8, line 21 - line 65 --	1-19
X	EP 0696117 A2 (INTERNATIONAL BUSINESS MACHINES CORPORATION), 7 February 1996 (07.02.96), abstract --	1-19

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

- "&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

18-03-1999

11 March 1999

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0695058 A2 (INTERNATIONAL BUSINESS MACHINES CORPORATION), 31 January 1996 (31.01.96), abstract -----	1-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

02/02/99

PCT/FI 98/00724

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5533026 A	02/07/96	CA 2170786 A		07/09/96
		CZ 9702656 A		13/05/98
		EP 0813800 A		29/12/97
		JP 8274792 A		18/10/96
		PL 321754 A		22/12/97
		WO 9627994 A		12/09/96
US 5095480 A	10/03/92	US 5842224 A		24/11/98
		US 5860136 A		12/01/99
EP 0696117 A2	07/02/96	CA 2129200 A		30/01/96
		JP 8065304 A		08/03/96
		US 5654959 A		05/08/97
EP 0695058 A2	31/01/96	CA 2129193 A		30/01/96
		JP 8065305 A		08/03/96
		US 5594731 A		14/01/97

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